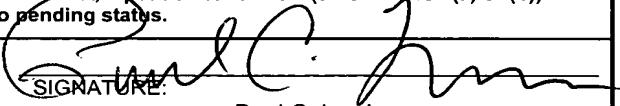


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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 5060-0101PUS1
INTERNATIONAL APPLICATION NO. PCT/NO2003/000246	INTERNATIONAL FILING DATE 15 July 2003	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/517835</b>
TITLE OF INVENTION ACTUATOR IN A MICROFLUIDIC SYSTEM FOR INDUCING ELECTROOSMOTIC LIQUID MOVEMENT IN A MICRO CHANNEL		PRIORITY DATE CLAIMED 15 July 2002
APPLICANT(S) FOR DO/EO/US Trond EIDSNES; Olav ELLINGSEN; Trond HELDAL; and Natalya MISHCHUK		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: PCT/IB/308; PCT/IB/304; PCT/IB/332; PCT/IPEA/409; PCT/ISA/210; Drawings - Twenty (20) Sheets</p>		

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/517835 NEW</b>		INTERNATIONAL APPLICATION NO. PCT/NO2003/000246		ATTORNEY'S DOCKET NUMBER 5060-0101PUS1	
21. The following fees are submitted:					
<input checked="" type="checkbox"/>	a) Basic national fee .....	\$ 300.00	<input type="checkbox"/>	\$ 300.00	
<input checked="" type="checkbox"/>	b) Examination fee .....	\$ 200.00	<input type="checkbox"/>	\$ 200.00	
<input checked="" type="checkbox"/>	c) Search fee .....	\$ 500.00	<input type="checkbox"/>	\$ 500.00	
<b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>			<input type="checkbox"/>	\$ 1,000.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
37 - 100 =	/50 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).			<input type="checkbox"/>	\$ 130.00	
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE	
Total claims		31 - 20 =	11	x 200.00	\$ 550.00
Independent claims		1 - 3 =		<input type="checkbox"/>	\$
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	<input type="checkbox"/>	\$
<b>TOTAL OF ABOVE CALCULATIONS =</b>			<input type="checkbox"/>	\$ 1,680.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.					
			<b>SUBTOTAL =</b>	\$ 1,680.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).			<input type="checkbox"/>	\$	
			<b>TOTAL NATIONAL FEE =</b>	\$ 1,680.00	
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property			<input type="checkbox"/>	\$	
<b>TOTAL FEES ENCLOSED =</b>			<input type="checkbox"/>	\$ 1,680.00	
			<b>Amount to be refunded:</b>	\$	
			<b>Amount to be charged:</b>	\$	
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,680.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2448. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p>					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:   SIGNATURE: Paul C. Lewis					
CUSTOMER NUMBER: 02292  NAME					
December 15, 2004  43,368 REGISTRATION NUMBER					
/clb					